

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	(("5103181") or ("4207137") or ("5939886") or ("4711767") or ("5531097") or ("5631418") or ("5079507")).PN.	US-PGPUB; USPAT	OR	OFF	2009/12/01 13:20
L2	1	("7004107").PN.	US-PGPUB; USPAT	OR	OFF	2009/12/01 13:25
S1	3	(("6429935") or ("6543459") or ("6614215")).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:53
S2	19	(("3931587") or ("4608869") or ("5685802") or ("4926120") or ("5079507") or ("5419176") or ("5467188") or ("5479254") or ("5471357") or ("5517161") or ("5691642") or ("5708209") or ("5742234") or ("5987972") or ("6081329") or ("6377345") or ("6429935") or ("6543459") or ("6614215")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 09:38
S3	2	electromagnetic circuit and S2	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 11:56
S4	1	electromagnetic circuit same detect same solid same material	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 11:56
S5	2	electromagnetic circuit same detect same solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 11:57
S6	46	electromagnetic circuit same detect	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 11:57
S7	6	electromagnetic circuit same detect same (gas or presence)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 11:57
S8	8	impedance and S2	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 12:36
S9	2	electric same impedance and S2	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 12:36

S10	0	(10/708251).COLS.	US-PGPUB; USPAT	OR	OFF	2007/05/07 12:59
S11	1	10/708251	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/07 12:59
S12	1653	436/149-154.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:38
S13	1083	S12 and @ad<="20040219"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:53
S14	221	S13 and impedance	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:44
S15	66	S13 and impedance.clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:40
S16	19	(("3931587") or ("4608869") or ("5685802") or ("4926120") or ("5079507") or ("5419176") or ("5467188") or ("5479254") or ("5471357") or ("5517161") or ("5691642") or ("5708209") or ("5742234") or ("5987972") or ("6081329") or ("6377345") or ("6429935") or ("6543459") or ("6614215")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 09:44
S17	8	S16 and impedance	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:52
S18	5368	(impedance with measur\$4).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:55
S19	4578888	@ad<="20040219"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:53
S20	14756	324/600-727.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:55
S21	7923	S20 and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:55
S22	624	(impedance with measur\$4).clm. and S21	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 09:55
S23	35	(impedance with measur\$4).clm. and S21 and plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 10:08

S24	1302	(73/29.01 73/29.02 73/335.01 73/335.02 73/335.05).cls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/03 10:08
S25	539	S24 and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 10:08
S26	12	(impedance with measur\$4). clm. and S25	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 10:12
S27	16	(impedance).clm. and S25 not S26	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 10:17
S28	1169	impedance and microwave and radio frequency and plasma and phase	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 10:18
S29	7	(impedance and microwave and radio frequency and plasma and phase).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 12:28
S30	4	(impedance and microwave and radio frequency and plasma and phase).clm. and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 12:29
S31	19	(US-20020155615-\$ or US- 200401335590-\$ or US- 20040118348-\$).did. or (US- 6916658-\$ or US-6858433-\$ or US-6841389-\$ or US- 6835552-\$ or US-6511851-\$ or US-5415784-\$ or US- 4977094-\$ or US-5079507-\$ or US-5399977-\$ or US- 5631418-\$ or US-5553495-\$ or US-3857284-\$ or US- 6038914-\$ or US-5531097-\$ or US-6563076-\$ or US- 6509542-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/07/03 11:01
S32	19	S31 and impedance	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 11:41
S33	213	422/82.01.ccls. and impedance	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 11:41
S34	50	422/82.01.ccls. and impedance.clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 11:41
S35	46	422/82.01.ccls. and impedance.clm. and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 11:46

S36	309	(detect\$4 or measur\$4) and plasma and (electromagnetic or circuit) and impedance and amount with solid and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 11:49
S37	8	(detect\$4 and measur\$4) and plasma and (electromagnetic or circuit) and impedance.ab. and amount with solid and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 11:49
S38	1	(plasma and species and photoresist and heat\$3 and gas and impedance).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 12:31
S39	768	(plasma and species and photoresist and heat\$3 and gas and impedance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 12:31
S40	438	(plasma and species and photoresist and heat\$3 and gas and impedance and (electromagnetic or circuit) and reactive) and S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 12:32
S41	46	(plasma and species and photoresist and heat\$3 and gas and impedance and (electromagnetic or circuit) and reactive) and S19 and ("422" or "436" or "324" or "73").clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:04
S42	5	("4207137") or ("7411767") or ("5939886") or ("5631418") or ("5531097") or ("5079507").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 17:03
S43	2	microwave and S42	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:12
S44	2	(radio frequency or rf) and S42	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:13
S45	3	(magnitude or phase) with impedance and S42	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:13
S46	107	364/482.clcs.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:29
S47	1	("5007983").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 14:28
S48	107	364/482.clcs.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:29
S49	5	impedance and plasma and S48	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 14:29

S50	6	((“4207137”) or (“4711767”) or (“5939886”) or (“5631418”) or (“5531097”) or (“5079507”)).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 17:12
S51	0	solid material and S50	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:12
S52	1	microwave and (radio frequency or rf) and S50	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:27
S53	3	impedance with phase and S50	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:31
S54	1	10/708251	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:39
S55	3	photoresist and S50	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:41
S56	2	((“4207137”) or (“4711767”)).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 17:41
S57	0	microwave and S56	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:41
S58	2	heat\$3 and S56	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:42
S59	2	gas and plasma and S58	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:42
S60	2	photoresist and S59	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:42
S61	2	impedance and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:43
S62	1	S61 and phase	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:45
S63	0	“5939886”.pn. and heat\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:44
S64	1	S61 and watts	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:51
S65	2	S61 and w	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/03 17:46
S66	1	(“5103181”).PN.	US-PGPUB; USPAT	OR	OFF	2009/01/26 13:25

S67	0	118/723.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:40
S68	75951	"118".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:41
S69	299	156/345.28.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:41
S70	7863	156/345.1-345.55.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:42
S71	12445902	@ad<"20040219" or @pd<"20040219"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:42
S72	1	S69 and "I16" and impedance	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:43
S73	99	S69 and S71 and impedance	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:59
S74	3	S69 and S71 and impedance and plasma and (volatiz\$5 or vaporiz\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 13:59
S75	77	S70 and S71 and impedance and plasma and (volatiz\$5 or vaporiz\$5) not S74	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 14:22
S76	1	("20040007176").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/26 15:34

12/ 1/ 2009 2:22:35 PM

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materials.wsp